

One Solution To Rule Them All

Layer 2 PoE+ Switch & Access Points
You Centrally Control



Auto AP Discovery and Provisioning

The Neutron Series of PoE+ Switches and Access Points is designed for rapid deployment whether for small companies or larger multi-level building or campus scenarios. Once a Neutron Series Access Point has been connected to an Neutron Series switch that Access Point immediately becomes discoverable on the network through the Neutron Series Switch's wireless management GUI (Graphical User Interface) and the IT manager or network administrator has the option to include that AP to the network and configure it accordingly.

GIG Gigabit Speeds for a Variety of Needs

All Neutron Series IEEE802.11a/b/g/n or 802.11ac Access Points feature Gigabit ports for connectivity to the network to optimize throughput of bandwidth-intensive or sensitive applications like video streaming and video conferencing, telephony, or large file transfers.

* Available soon

The Neutron Series Wireless Management Solution

The EnGenius Neutron Series of wireless management products can be mixed and matched to create ideal wireless connectivity solutions for hotels, resorts, high schools, universities, corporate campuses, sports stadiums and arenas and for other companies and organizations.

This is a scalable solution for operations that occupy large properties and that need to deploy, monitor, and manage numerous EnGenius Neutron Series Wireless Access Points from one simple and accessible browser-based software platform. Neutron Series Switches can support any small number of Neutron Series Wireless Access Points to several hundred depending on the number of Neutron Series Switches in the network.



Centralized Manageability

The EnGenius Neutron Series Wireless Management Switches provide fully-managed L2 switching capabilities and PoE+ support while its Neutron Series Wireless Indoor and Outdoor Access Points extend a network where a company may need to provide connectivity for a growing array of wireless client devices simplified one-to-many mode configuration and authorized to access network resources or the company's Internet connection. For efficient manageability, through an easy-to-navigate, browser-based Graphical User Interface (GUI), each Neutron Series Switch also offers priority-based configurations depending on an IT manager's or network administrator's need. When combined together the Neutron Series Switches and Access Points reach their full potential by allowing for quick deployment, simplified management and monitoring, and seamless concurrent upgrades, making the platform ideal for expansive and expanding business properties and operations.

Mesh Mode*

Under the AP Mesh mode, the Neutron Series Access Points can be used as the central connection hub for station or clients that support IEEE 802.11 a/b/g/n network. Under this mode, the Neutron Series APs can be configured with the same Mesh SSID and security password in order to associate with other Neutron Series APs. Acting as a node within a web framework, each Neutron Series Access Point only needs to connect to the nearest node using the best path to transmit data, working collaboratively with other Access Points in the network infrastructure to function.

Manageable PoE+ Capabilities

The Neutron Series Switches are Layer 2 Managed PoE+ Switches ideal for Access Points and IP Surveillance applications that need to be positioned where power outlets may not be readily available. Available in 8-port, 24-port and 48-port models each Neutron Series Switch offers Gigabit Ethernet ports with IEEE802.3at/af PoE+ support, as well as SFP slots for longer fiber uplinks. These powerful PoE+ Switches can deliver up to 30 watts per port over connected Ethernet cables to power devices like Wireless Access Points, IP Cameras, and VoIP (Voice-over-IP) Phone Systems. Since many PoE client devices don't require a full 30 watts of power, the management software User Interface allows network administrators the ability to allocate just the amount of wattage they need per port to power specific PoE client devices to conserve as much of their Neutron Series Switch's total PoE budget as possible. Including more Neutron Series Switches to the network gives administrators the ability and versatility to substantially and rapidly scale their networks and to provide just the right Neutron Series Switch necessary to provide wireless connectivity or surveillance in a part of the network previously unserved.

Secure Wired and Wireless Network Management and Reporting

In addition to the network management features that are standard with any of the Neutron Series Layer 2 PoE+ Switches, the networking interface included with each Neutron Series Switch gives IT managers and network administrators the visibility they need to monitor, manage and quickly adjust the settings or performance of their network in real time. The feature rich interface displays usage reports for real time and historical client connectivity to each Neutron Series Access Point as well as traffic flow and load over both wired and wireless portions of the network. Moreover, as the BYOD trend has gotten higher current adoption and growth globally, it becomes essential for individual client management. The featured fingerprinting identification* can effectively assist IT managers by quickly identifying all connecting clients in the network and displaying not only the device name but also the OS Type, with options to kick and even ban unwelcomed users from the network. The Neutron Series Wireless Management Switch also enables administrators to create Access Point clusters if there is a requirement to configure the Access Points identically or if company department require unique and encrypted access rights to portions of the network through clustered SSID-to-VLAN tagging.

Multiple Operation Modes Provide Flexibility and Versatility

Networks vary in size and configuration; and rarely are two exactly alike. If configured as Access Points, each Neutron Series AP supports seamless roaming, especially useful over large properties where continuous client connectivity is critical. The AP management User Interface available with each Neutron Series Switch gives network administrators instant visibility of the EnGenius wireless network from an overall topology view down to the device level and allows for reconfiguration of deployed, often physically inaccessible, Neutron Series Access Points to different modes to meet changing network needs.

Rapidly Expansive Not Enterprise Expensive

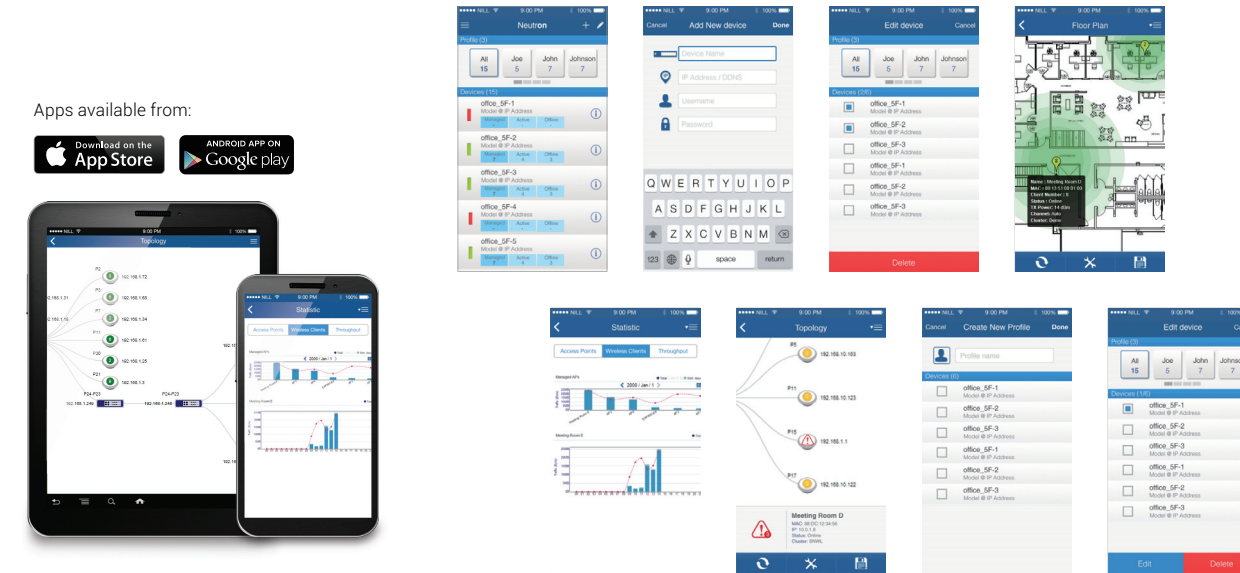
24-ports and 48-ports Neutron Series Switches can support up to 50 Neutron Series Access Points. 8-Ports Neutron Series Switches can support up to 20 Neutron Series Access Points. Each Neutron Series Switch can connect to another via Gigabit Ethernet or fiber uplinks through their SFP ports. This enables network administrators to rapidly build out large Neutron Series wireless device deployments over expansive properties with the added assurance that through the AP management User Interface, that they have total visibility of the deployed Neutron Series APs and Switches and can monitor and manage their performance, upgrade their firmware or make operation mode changes or even security changes like selective SSID-to-VLAN tagging as needed. The Neutron Series of Neutron Series Switches when used together can support hundreds of Neutron Series Access Points making it an economical alternative to many more expensive offerings from enterprise networking brands with performance that rivals or exceeds products from those brands. This EnGenius competitive price/performance alternative gives VARs the ability to provide a scalable and sometimes more expansive network footprint of deployed devices for much less than other brands while providing to their customers more service offerings and still keeping within a client's total budget.

Comprehensive Security

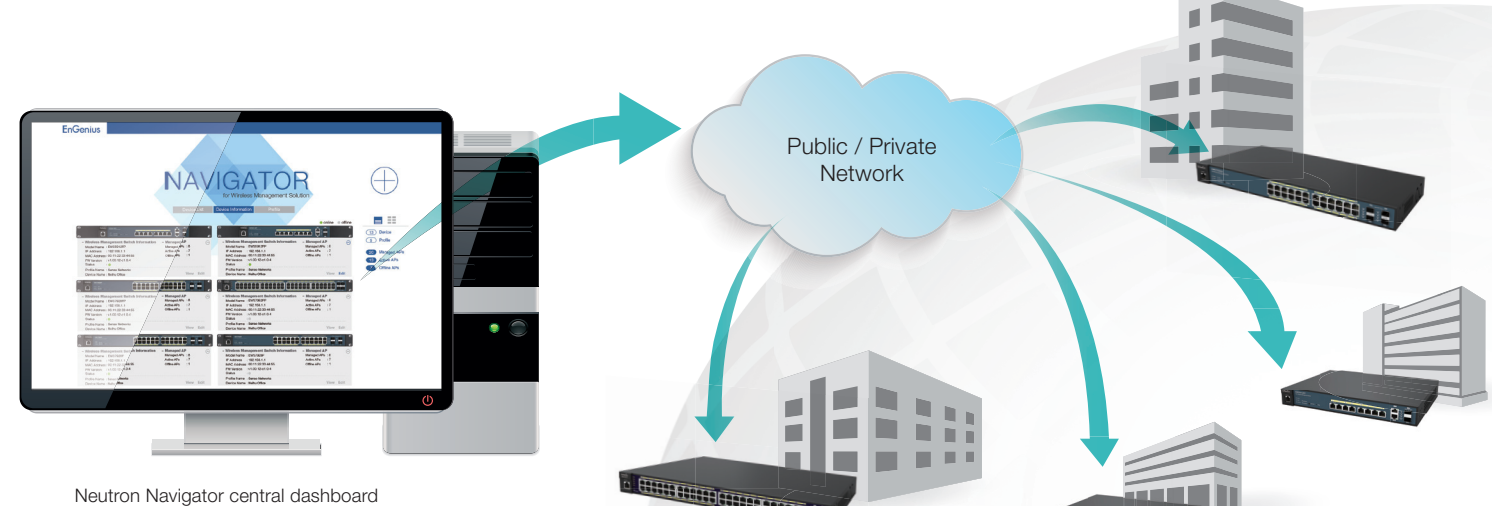
The Neutron Series Wireless Management solution supports robust security features such as SSL Certificate. In addition, the Neutron Series Switches also support a complete lineup of advanced Layer 2 features; including secure control connections between Switches and Access Points, Port mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol (LACP), SNMP v1/v2/v3, RMON, and ACL for extensive network security and more. To protect internal electronics, the Neutron Series Outdoor Access Points are mounted in waterproof and dustproof housings designed to withstand extremely harsh environmental conditions. The Neutron Series Indoor Access Points come housed in discreet white housing to blend in with any environment, and all Neutron Series Switches come with the ability to be either desk or rack mounted.

Remote Monitoring and Management*

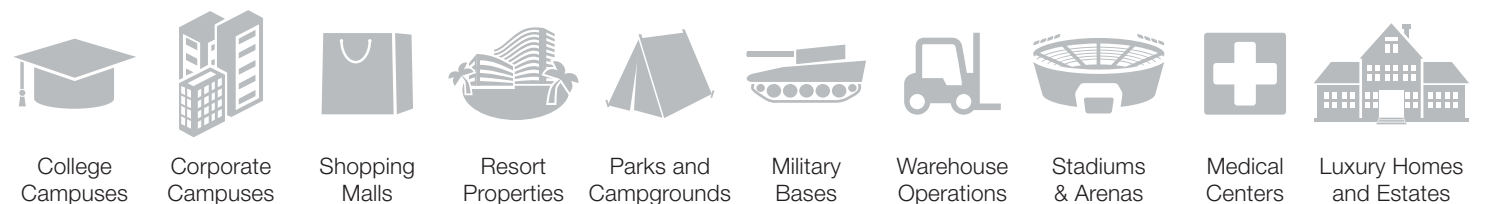
For effective centralized management of multiple Neutron Series Wireless Management Switches, Neutron Navigator, the browser-based PC utility provides required information of all devices at a glance. From the dashboard of Neutron Navigator, IT managers can monitor the status of each and every Neutron Series Access Points lined to Wireless Management Switch and easily navigate to any device with a simple click to proceed for further configuration. For the sake of performing the most essential management remotely, Neutron Mobile app is available to download on App Store for iPhone®, iPad® users and Google play for Android™-based users; IT managers can monitor the real time status, reboot Neutron Series Access Points allowing quick network troubleshooting at anytime from anywhere with without carrying a bulky laptop.



Neutron Navigator Manage multiple Neutron Wireless Management Switches from a central dashboard



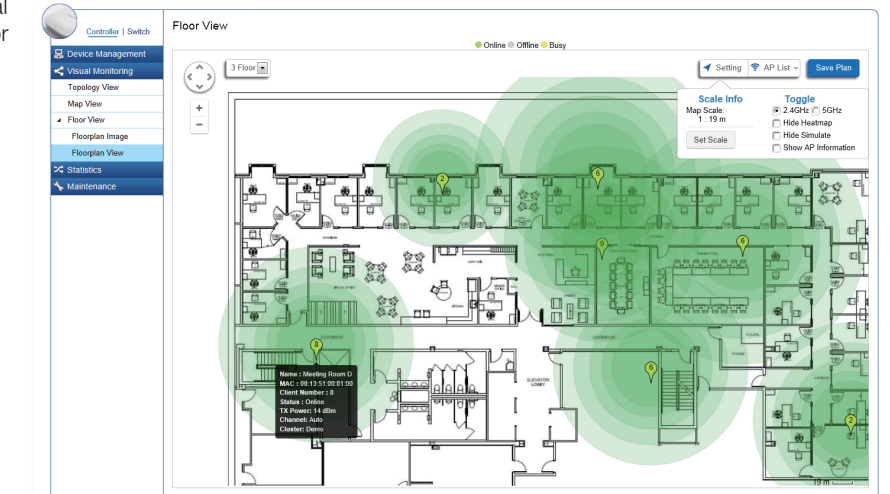
Ideal for the Following Deployments:



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Enhanced Floor Plan for Easier Coverage Management

The user interface includes two easy-to-use, drag and drop tools to view a Neutron Wireless Management deployment. The Map View lets IT managers drag and drop a marker representing an Neutron Series Access Point that has been registered to an Neutron Series Switch onto a building within a topology to show the relative location of the specific Neutron Series Access Point. This Map View visual reference makes it easy to find the Access Point to monitor or reconfigure as necessary if the needs of the network change over time. Like the Map View, the Floor Plan View does much the same thing but now at the floor plan level. Scanned images of office or facility floor plans that have been saved as jpeg (.jpg) files can be uploaded to the Neutron Series Switch interface so that IT managers can drag and drop Access Point markers to their approximate locations. Heat zonemap view* can be enabled to indicate the coverage range of each Neutron Series Access Point making it easier for IT managers to accurately plan and deploy wireless networks in any indoor environment; also, the enhancement reduces the need for extensive and costly site surveys and simplify installation

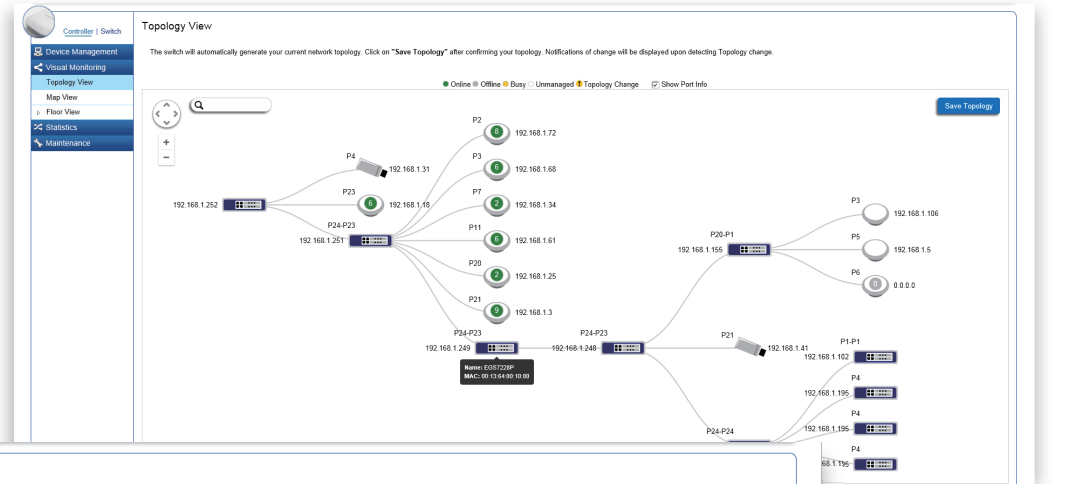


EWS Switch Wireless Management User Interface

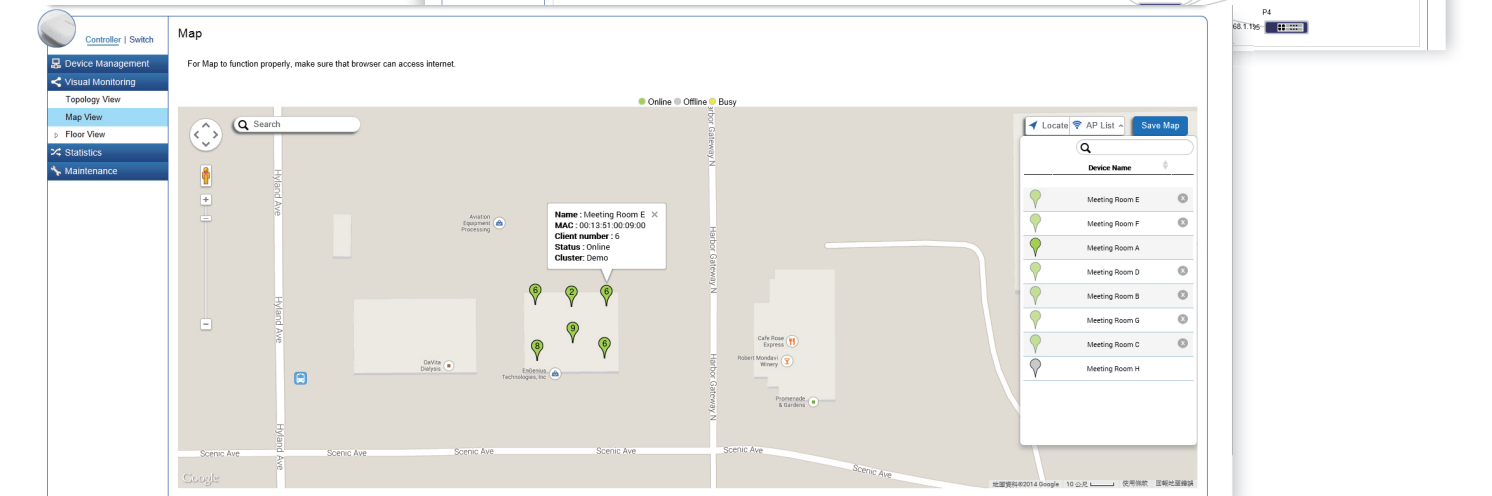
The following screens are just a few examples of the features and settings available to manage and monitor an EnGenius EWS Solution from an EWS Switch.

Wireless Network Topology View

The Topology View lets network administrators quickly see which EWS Access Points are connected to a specific EWS Switch on the network.



Map View



ABOUT EnGenius

EnGenius is the leading provider of Networking Solution in data communication and radio frequency (RF) technology with the HQs based in Taiwan. The company pioneers "Long Range and High Power" communication solutions, and creates state of the art networking products for Enterprise, Light Business and Home usage that are versatile, feature-rich, and affordable. The complete lines of award-winning devices are designed to deliver extended signal, faster speed, robust security, and ease-of-use.

EnGenius stays ahead of the trend and is committed to provide premium quality products and services to the customers.

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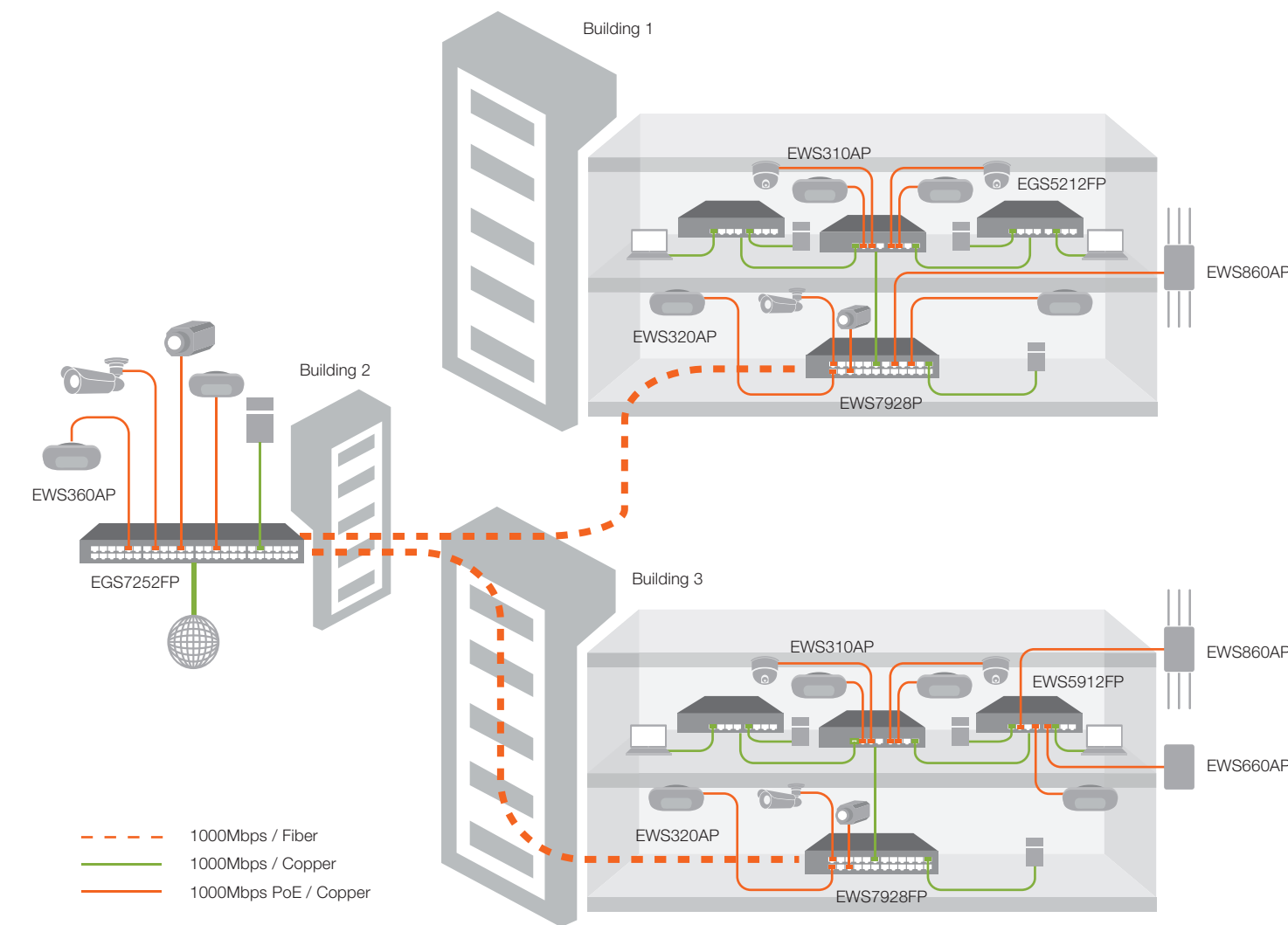
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Multi-Building / Campus Scenario

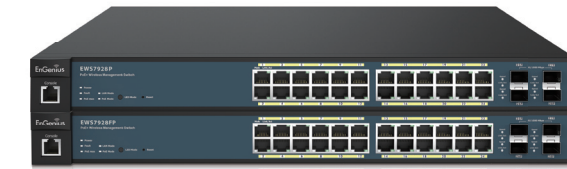


Switches and Access Points

Wireless Management Switch



EWS5912FP
8-Port Gigabit PoE+ L2 Wireless Management Switch with 2 GbE Ports and 2 Dual-Speed SFP; 130w



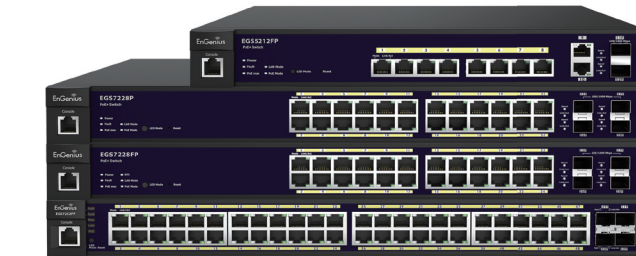
EWS7928P
24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 185w

EWS7928FP
24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 370w



EWS7952FP
48-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 740w

PoE+ Layer 2 Managed Switch



EGS5212FP
8-Port Gigabit PoE+ L2 Managed Switch with 2 GbE Ports and 2 Gigabit SFP; 130w

EGS7228P
24-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP; 185w

EGS7228FP
24-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP; 370w

EGS7252FP
48-Port Gigabit PoE+ L2 Managed Switch with 4 Dual-Speed SFP; 740w

Network Management IP Camera



EDS6131
1-Megapixel
Day & Night Wi-Fi Dome Network Camera



EDS6110
1-Megapixel
Day & Night Dome Network Camera



EDS5131
1-Megapixel
Day & Night Wi-Fi Bullet Network Camera



EDS5110
1-Megapixel
Day & Night Bullet Network Camera



EDS3131
1-Megapixel
Wi-Fi Box Network Camera



EDS3110
1-Megapixel
Box Network Camera

Wireless Managed Access Point



EWS860AP
Wireless N450+AC1300
Managed Dual Band Outdoor AP; IP68



EWS360AP
Wireless N450+AC1300
Managed Dual Band Indoor AP



EWS310AP
Wireless N300+N300
Managed Dual Band Indoor AP



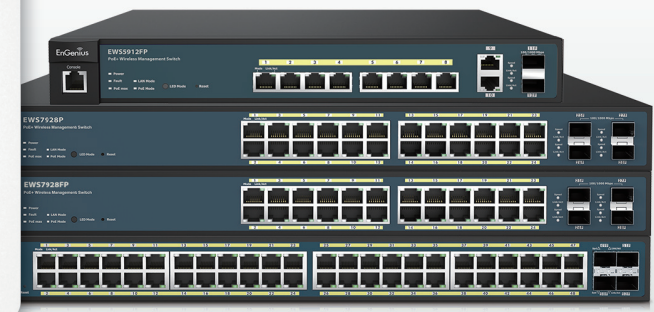
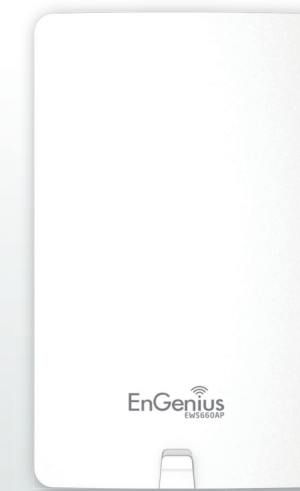
EWS660AP
Wireless N450+AC1300
Managed Dual Band Outdoor AP; IP55



EWS320AP
Wireless N450+N450
Managed Dual Band Indoor AP



EWS210AP
Wireless N300
Managed Indoor AP



The Neutron Series
Wireless Management Solution
2014

